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## 车啸平

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### 基本情况

姓名：车啸平  
 职务：硕士生导师  
 职称：副教授  
 学历：研究生  
 学位：博士  
 通信地址：  
 邮编：  
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 电子邮箱：xpche@bjtu.edu.cn



### 教育背景

车啸平，博士，副教授，IEEE/ACM会员，博士毕业于法国南巴黎电信学院/巴黎萨克雷大学。已在国际重要学术期刊和会议发表多篇学术论文，包含数篇SCI检索期刊论文和EI检索会议论文。并且主持并参与了多个国内与国际研究项目，包括国家自然科学基金青年项目；与新加坡，台湾，法国等科研单位合作的URSA计划；与雷诺汽车，施耐德电气等企业单位合作的VELCRI计划；同时获得欧盟法国专利1项。主要研究方向为软件测试、网络协议性能及可靠性测试、物联网测试及安全处理等。

### 工作经历

### 研究方向

软件工程(专业学位)  
 软件工程理论与技术  
 软件工程应用

### Research Interests

#### Software Engineering:

Software Testing, User Experience, Human Computer Interaction, Formal Methods

#### Intelligent Transportation System:

Road Condition Monitoring, Driving Behavior Analysis, Advanced Driver Assistance Systems

### 招生专业

软件工程硕士

### 科研项目

2016 – 2018 年 中国 数据驱动的被动协议测试方法研究 (国家自然科学基金 青年项目)  
 2015 – 2016 年 中国 基于形式逻辑的在线协议测试方法研究 (北京交通大学人才基金)  
 2013 – 2014 年 法国与亚洲 基于城市感知的智能广告网络研究 (合作单位: 新加坡科技研究局, 台湾辅仁大学, 法国国家信息研究所, 法国国家信息与自动化研究所)  
 2011 – 2013 年 法国 电动汽车快速充电系统研究 (合作单位: 法国科学研究院, 雷诺汽车, 施耐德电气, 法国电力集团)

#### 教学工作

本科必修课: 计算机网络  
 本科选修课: 软件测试方法  
 研究生必修课: 算法分析与设计

#### 论文/期刊

部分国际期刊:

Yong Yang, Wei Lu, Weiwei Xing, Liqiang Wang, Xiaoping Che, Lei Chen, "Detecting and resolving deadlocks in mobile agent systems", *Journal of Visual Language and Computing (SCI)*, 2017  
 Wei Lu, Yuanyuan Cai, Xiaoping Che, Yuxun Lu, "Joint semantic similarity assessment with raw corpus and structured ontology for semantic-oriented service discovery", *In Personal and Ubiquitous Computing (SCI)*, 2016  
 Xiaoping Che, Stephane Maag, Hwee-Xian Tan, Hwee-Pink Tan and Zhangbing Zhou, "A Passive Testing Approach for Protocols in Wireless Sensor Networks", *In Sensors (SCI)*, 2015  
 Xiaoping Che, Jorge Lopez, Stephane Maag and Gerardo Morales, "Testing Trust Properties using a Formal Distributed Network Monitoring Approach", *In Annals of Telecommunications (SCI)*, 2015  
 Xiaoping Che and Stephane Maag, "Passive Performance Testing of Network Protocols", *Computer Communications (SCI)*, 2014  
 Xiaoping Che and Stephane Maag, "Testing Protocols in Internet of Things by a Formal Passive Technique", *Science China Information Science (SCI)*, 2014  
 Xiaojun Qian and Xiaoping Che, "Security-enhanced Search Engine Design in Internet of Things." *Journal of Universal Computer Science (SCI)*, 2012

部分国际会议:

Lei Chen, Wei Lu, Xiaoping Che, Weiwei Xing, Liqiang Wang, Yong Yang, "MRSIM: Mitigating Reducer Skew In MapReduce." *AINA*, 2017.  
 Sarah A. Dahab, Stephane Maag, Xiaoping Che, "A Software Measurement Framework Guided by Support Vector Machines." *AINA*, 2017.  
 Yong Yang, Weiwei Xing, Liqiang Wang, Xiaoping Che, Wei Lu, "A Novel Priority-based Deadlock Detection and Resolution Algorithm in Mobile Agent Systems." *DMS*, 2016.  
 Yiran Wang, Xiaoping Che, "How to Keep People Playing Mobile Games: An Experience Requirements Testing Approach." *UIC/ATC/ScalCom/CBDCom/IoP/SmartWorld* 2016.  
 Wei Lu, Yong Yang, Liqiang Wang, Weiwei Xing, Xiaoping Che, "A leader election based deadlock detection algorithm in distributed systems." *ASE Workshop* 2016.  
 Yuanyuan Cai, Wei Lu, Xiaoping Che, Yuxun Lu, "Knowledge-Enhanced Multi-semantic Fusion for Concept Similarity Measurement in Continuous Vector Space." *ATC*, 2015.  
 Wei Lu, Yong Yang, Liqiang Wang, Weiwei Xing, Xiaoping Che, "A Novel Concurrent Generalized Deadlock Detection Algorithm in Distributed Systems." *ICA3PP*, 2015.  
 Yuanyuan Cai, Wei Lu, Xiaoping Che, Kailun Shi, "Differential Evolutionary Algorithm Based on Multiple Vector Metrics for Semantic Similarity Assessment in Continuous Vector Space." *DMS*, 2015.  
 Xiaoping Che, Stephane Maag, Huu Nghia Nguyen and Fatiha Zaïdi, "Guiding Testers' Hands in Monitoring Tools: Application of Testing Approaches on SIP." *27th IFIP WG 6.1 International Conference on Testing Software and Systems (ICTSS) (EI)*, Sharjah and Dubai, United Arab Emirates, 2015.  
 Xiaoping Che, Stephane Maag, Hwee-Xian Tan and Hwee-Pink Tan, "Passively Testing Routing Protocols in Wireless Sensor Networks." *12th IEEE International Conference on Ubiquitous Intelligence and Computing (UIC) (EI)*, Beijing, China, 2015.  
 Xiaoping Che, Pengyu Liu, Zhipeng Zhang and Fangzhi Wen, "An Approach for Testing Data Intensive Systems: Application to a Banking CRM System." *29th International Conference on Advanced Information Networking and Applications (AINA) (EI)*, Gwangju, Korea, 2015.  
 Xiaoping Che, Jorge Lopez, Stephane Maag and Ana Cavalli, "An online formal passive testing approach for network protocols." *26th International Conference on Software Engineering and Knowledge Engineering (SEKE)*

(EI), Vancouver, Canada, 2014.

Jorge Lopez, Xiaoping Che, Stephane Maag and Gerardo Morales, "A Trust Monitoring approach based on Formal Testing." 28th International Conference on Advanced Information Networking and Applications (AINA) (EI), Victoria, Canada, 2014.

Jorge Lopez, Xiaoping Che and Stephane Maag, "An Online Passive Testing Approach for Communication Protocols." 9th International Conference on Evaluation of Novel Approaches to Software Engineering (ENASE) (EI), Lisbon, Portugal, 2014.

Xiaoping Che and Stephane Maag, "A Passive Testing approach for protocols in Internet of Things." 3th IEEE International Conference on Internet of Things (iThings) (EI), Beijing, 2013.

Xiaoping Che and Stephane Maag, "A Formal Passive Testing Approach for Distributed Communication Systems." 8th International Conference on Evaluation of Novel Approaches to Software Engineering (ENASE) (EI), Anger, France, 2013, (Best Student Paper).

Xiaoping Che and Stephane Maag, "Passive Testing on Performance Requirements of Network Protocols." 27th International Conference on Advanced Information Networking and Applications (AINA) (EI), Barcelona, Spain, 2013.

Xiaoping Che, Felipe Lalanne and Stephane Maag, "A Logic-based Passive Testing Approach for the Validation of Communicating Protocols." 7th International Conference on Evaluation of Novel Approaches to Software Engineering (ENASE) (EI), Wroclaw, Poland, 2012.

#### 专著/译著

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#### 专利

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欧盟法国专利1项--“高效在线测试方法”

#### 软件著作权

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#### 获奖与荣誉

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北京交通大学优秀主讲教师

#### 社会兼职

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国际学术会议 NetSMM TPC会议委员

国际学术会议 AINA TPC会议委员

国际学术会议 ICCIP TPC会议委员

国际学术会议 MobiSPC TPC会议委员

数据融合与测试论坛 MDITF 组委会主席

国际期刊 IEEE Systems 审稿人

国际期刊 Computer Journal 审稿人

国际期刊 Journal of Network and Computer Applications 审稿人

国际期刊 Signal, Image and Video Processing 审稿人

国际期刊 IEEE Transactions on Very Large Scale Integration Systems审稿人